

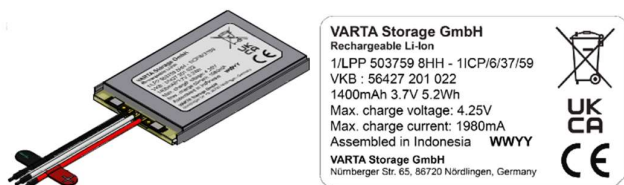


1/LPP 503759 8HH PCM W

3.7 V | 1,400 mAh nominal | 5.2 Wh | VKB: 56427 201 022 (SoC 30%)

VARTA Storage GmbH - Rev No. 1- 0325

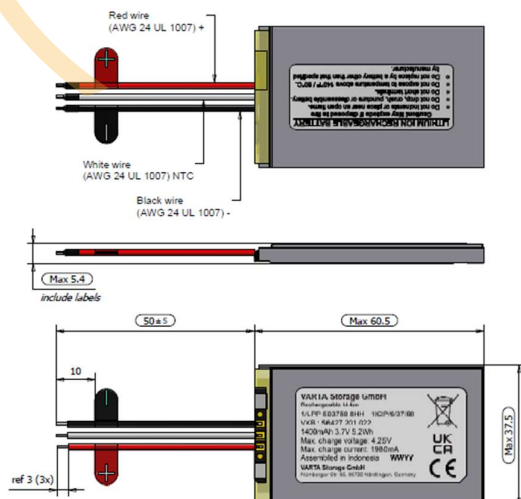
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WW = Calendar Week | YY = Year

ELECTRICAL SPECIFICATION

Nominal voltage	3.7 V
Rated capacity at (0.5 C / 0.2 C), 23 °C ± 5 °C	1,320 mAh min., 1,400 mAh nominal
Watt-hour rating	5.2 Wh
Charging method	Constant Current + Constant Voltage
Max. charge voltage	4.2 V (± 0.05 V)
Max. continuous charge current	1,980 mA (limited by cell)
Rec. charge cut off	50 mA or timer 2.5 h
Max. continuous discharge current	2,000 mA (limited by PCM)
Rec. discharge cut off	3 V
Internal impedance	Approx. 100 mΩ
Exp. cycle life at (1.0 C / 0.5 C), 23 °C ± 2 °C	≥ 500 cycles ≥ 83 %



GENERAL

(Battery pack with safety circuit and wires)

Wire	AWG24 UL1007 (red wire (+), white wire (NTC), black wire (-))
Cell	LPP 503759 8HH
PCM	Yes
NTC	10 kΩ ± 1 %; B-value 3,380 K
ID	None
Configuration	1S
Weight	Approx. 25 g

CELL & BATTERY PROTECTION

Overcharge detection	4.275 V ± 0.025 V (0.7 sec. to 1.3 sec. delay, resume 4.275 V ± 0.025 V)
Overdischarge detection	2.3 V ± 0.058 V (14 msec. to 26 msec. delay, resume 2.3 V ± 0.058 V)
Overcurrent detection	2 A to 4.0 A (8 msec. to 16 msec. delay at discharge)

ENVIRONMENTAL CONDITIONS

Charge	0 °C to +45 °C
Discharge	-20 °C to +60 °C
Storage	1 month at +23°C ≥ 89 % 1 month at +45°C ≥ 85 % 1 year at +23°C ≥ 85 %
Humidity	0 to 85 RH %

SAFETY CERTIFICATIONS

Please follow VARTA handling and safety precautions for Lilon & LiPolymer.
The cell used is a UL recognized component according to UL1642 and IEC 62133-2. The battery meets the requirements of battery directives and the battery part: are RoHS-compliant. The battery is certified according to IEC6321 33-2 and UN38.3

Minimum order quantity: 600 pcs / Order multiples: 120 pcs - Product for OEM customers only!

Disclaimer

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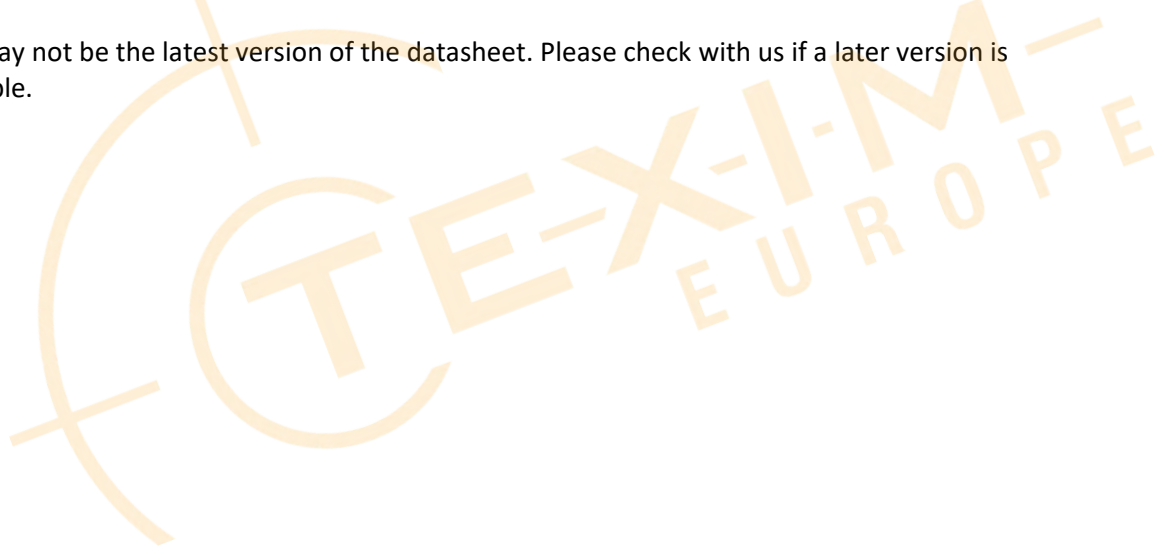
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.





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